

# Purchase Order Receipt Listing

Wednesday, August 26, 2015 11:23:51 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO29558 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO29558	1		M303R0.500 303 Round Bar 0.500"	f	8/27/2015 60.0000	8/26/2015 DCUSER	60.0000	\$1.33 \$79.81	0.0000 0.0000	0 0	\$79.81
CAD	No										
	2		M303R0.750 303 Round Bar 0.750"	f	8/27/2015 36.0000	8/26/2015 DCUSER	36.0000	\$2.71 \$97.70	0.0000 0.0000	0 0	\$97.70
	No										
	3		M304R0.375 304 ROUND BAR 0.375"	f	8/27/2015 12.0000	8/26/2015 DCUSER	12.0000	\$2.23 \$26.76	0.0000 0.0000	0 0	\$26.76
	No										
	4		M304R1.000 304 round bar 1.00"	f	8/27/2015 12.0000	8/26/2015 DCUSER	12.0000	\$4.82 \$57.80	0.0000 0.0000	0 0	\$57.80
	No										
	5		M6061T6B0.750X02.5 6061-T6 Bar .750 x 2.00	f	8/27/2015 12.0000	8/26/2015 DCUSER	12.0000	\$3.50 \$42.05	0.0000 0.0000	0 0	\$42.05
	No										
	6		M6061T6B0.125X2.5 6061T6 BAR .125 X 2.50	f	8/27/2015 40.0000	8/26/2015 DCUSER	40.0000	\$0.72 \$28.67	0.0000 0.0000	0 0	\$28.67
	No										
	7		M6061T6B1.250X04.5 6061-T6 Bar 1.25 X 4.50	f	8/27/2015 12.0000	8/26/2015 DCUSER	12.0000	\$12.58 \$150.99	0.0000 0.0000	0 0	\$150.99
	No										

Purchase Order ID/ Cur Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ Reject Qty	Book Amt
Vendor ID/Vendor Name PO29558	8	VC-COP001	Thyssenkrupp Materials CA Ltd								
			M6061T6B1.500X01.f		8/27/2015	8/26/2015	12.0000	\$4.14	0.0000	0	\$49.69
			250								
CAD	No		6061-T6 Bar 1.50 x f		12.0000	DCUSER		\$49.69	0.0000	0	
			1.25								
			m133038								
	10		71401-45		8/27/2015	8/26/2015	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT		1.0000	DCUSER		\$0.00	0.0000	0	
			QUALITY CLAUSES								
			m133038								

Total Received Quantity: 197.0000  
 Total Qty to Inspect (PO U/M): 0.0000  
 Total Reject Quantity: 0.0000  
 Total Receipt Value: \$533.47  
 Total Balance Due Quantity: 0.0000

## B I L L O F L A D I N G

No: PEC 950560

Ship From:

Ship Date 24Aug15 at 10:41 From PFW

Probill

Via VIM TTRANSFER

FOB CONCORD

Frt PREPAID

Route 0- 0 Manifest

Vhcle Trailer

Slp STAN IVERS (905-532-1350)

Sold To: ( 20115)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905-738-9033

Ship To: ( 1)

DART AEROSPACE

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-838303- 1 Your PO # 29558

STAINLESS STEEL ROUND BAR 303 STAINLESS

.50" DIA X 144.0000"

Heat Number  
V9V9Tag No  
446771Quantity  
60 FTPCS  
5Wt LBS  
41

MTR

2) Our Order PEC-838303- 2 Your PO # 29558

STAINLESS STEEL ROUND BAR 303 STAINLESS

.750" DIA X 144.0000"

Heat Number  
V9E0Tag No  
446772Quantity  
36 FTPCS  
3Wt LBS  
54

MTR

3) Our Order PEC-838303- 3 Your PO # 29558

STAINLESS STEEL ROUND BAR 304L

.875" DIA X 144.0000"

Heat Number  
T2A0Tag No  
446773Quantity  
12 FTPCS  
1Wt LBS  
5

MTR

4) Our Order PEC-838303- 4 Your PO # 29558

STAINLESS STEEL ROUND BAR 304L

1.00" DIA X 144.0000"

Heat Number  
R2H4Tag No  
446774Quantity  
12 FTPCS  
1Wt LBS  
33

MTR

5) Our Order PEC-838303- 5 Your PO # 29558

ALUMINUM FLAT BAR 6061-T6511

.750" x 2.00" X 144.0000"

Heat Number  
181722-7Tag No  
446775Quantity  
12 FTPCS  
1Wt LBS  
21

MTR

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G  
No: PEC 950560  
Ship Date 24Aug15 at 10:41 From PFW  
Probill  
Via VIM TTRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

MTR

6) Our Order PEC-838303- 6 Your PO # 29558  
ALUMINUM FLAT BAR 6061-T6511

1.125" x 2.50" X 240.0000"

Heat Number  
408170-9

Tag No  
446776

Quantity  
40 FT

PCS  
2

Wt LBS  
15

7) Our Order PEC-838303- 7 Your PO # 29558  
ALUMINUM FLAT BAR 6061-T6511

1.250" x 4.50" X 144.0000"

Heat Number  
201502971

Tag No  
446777

Quantity  
12 FT

PCS  
1

Wt LBS  
80

8) Our Order PEC-838303- 8 Your PO # 29558  
ALUMINUM FLAT BAR 6061-T6511

1.250" x 1.50" X 144.0000"

Heat Number  
181894-2

Tag No  
446778

Quantity  
12 FT

PCS  
1

Wt LBS  
27

TOTAL: Tags 8 PCS 15 LBS 276

Heat Number

181722-7  
181894-2  
201502971  
408170-9  
R2H4  
T2A0  
V9E0  
V9V9

\*\*\* Chemical Analysis \*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

Page: 2 ....Continued

11 - Bond - 550

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Sylvan Roy

## B I L L O F L A D I N G

No: PEC 950560

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 24Aug15 at 10:41 From PFW  
Probill  
Via VIM TTRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

## B I L L O F L A D I N G

TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 2 BDLS GW. 334 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*  
\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR  
INVENTORY, SEPT. 24 & 25/2015. THERE WILL BE NO  
CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES  
OFFICE WILL REMAIN OPEN.

Page: 3 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



# THYSSENKRUPP MATERIALS NA

PO/Rel 29558

STAINLESS STEEL ROUND BAR 303 STAINLESS  
50" DIA X 144.0000"  
PART NO.

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results  
BL PEC-950560-001  
24Aug15  
Pg 1/1



740 Imperial Road North

## METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Quebec, ON N1K1Z3  
Canada

Certificate: 84877 1 Mail To:

Ship To:

Date: 8/11/2015 Page: 1

Customer: 007206 001

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Steel: 303

Finish: CD

Your Order: PEC268105

NAS Order: PN 0054556 02

Corrosion:

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582/12 EN 10204 3.1, ASTM A494/11  
AMS 5640-1, QQS-7648 CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 ED DIRECTIVE  
2011/65/EU ROHS, EAP+AOB+CC, NO WELD REPAIR, MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS  
14  
15/08/20  
9-89

Product Id	Skid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BH3646 4		.5000		1.170	144.00	19	1	

### CHEMICAL ANALYSIS

CM(Country of Meit) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/08

BSAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V9V9	US	.0432	.1455	17.0530	.3950	1.8200	.3065	.0440	8.2265	.0300

S %	SI %
.3465	.5060

### MECHANICAL PROPERTIES

Product Id	o i HB	.2YS	UTS	RA	Elong
	o i HB	ksi	ksi	%	% 2"
BH3646 4	R L 207.0	76.46	111.71	44.28	46.28

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

ABHIT JETI BHAVE

8/13/2015



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L

3.75" DIA X 144.0000"

PART NO.

PO/Rel 29558

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-950560-003

24Aug15  
Pg 1/1



## METALLURGICAL TEST REPORT

740 Imperial Road North

Certificate: 37359 1

Customer: 007206 001

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Date: 3/03/2015 Page: 1

Steel: 304/304L

Finish: CD

Corrosion: ASTM A262-10 Prac A/E OK

Your Order: PEC264220

NAS Order: PN 0048583 03

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
UNS 30400/30403 EN 10204 3.1, ASTM A484/13A  
ASTM A276/13, ASTM A479/13a, ASTM A182/13 CHEM ONLY,  
ASME SA479/13, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS QQS-763C, QQS-763F, ASTM F899/11  
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/68 CL 1 GR B8  
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE  
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR, MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS  
14  
9-89  
1/10/20

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH0052 1		3.750		1.028	144.00	12	1	

### CHEMICAL ANALYSIS

CM(Country of Melt)

ES(Spain)

US(United States)

ZA(South Africa)

JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
T2A0	US	.0217	.1570	18.0380	.4900	1.3730	.3640	.0623	0.5110	.0330

S % .0220  
SI % .1920

### MECHANICAL PROPERTIES

Product Id	1 d o f	HB No.	.2YS KSI	UTS KSI	RA %	ELng % 2"
BH0052 1	R L	171.0	87.59	108.98	71.48	34.05

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

18/8/2015

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
750" x 2.00" x 144.0000"  
PART NO.

PO Ref 29558

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-950560-005

24Aug15  
Pg 1/1

## Certificate of Mill Test Results



### MILL TEST

TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210  
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
<http://www.extrudex.com>

BILL TO THYSSENKRUPP MATERIALS NA	CERT CODE: 9	DIE NUMBER S 2436	DATE OF SHIPMENT Jul/02/2015	EXTRUDEX ORDER NO. 181722 - 7	MANIFEST NO. 330754
SHIP TO THYSSENKRUPP MATERIALS NA	CUSTOMER PO PEC-267615	ALLOY 6061	SALESMAN FORBES DODWELL	MADE IN CANADA	
DESCRIPTION 750"x2" FB	CUSTOMER PART NUMBER 2436-S	TEMPER T6511	PART DESCRIPTION 750"x2" FB	CERTIFICATION ASTM B221-13 AMS QQA 200/8	

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Jun/26/2015	44.40	40.10	14.20	89.9,90.5,90.1	

Chemical Composition	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	U	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Ca	Al	Other
Cast Number A.11 380293	0.52	0.16	0.2	0.03	0.89	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0.02
	DAS 14 15/08/20																			
	9-89																			

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale  
Quality Control Manager

1 - CUSTOMER COPY



# THYSSENKRUPP MATERIALS NA

**PART AEROSPACE**  
ALUMINUM FLAT BAR 6061-T6511  
1.250" x 4.50" x 144.0000"  
PART NO.

PO Ref 29558

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-050560-007

24Aug15  
Pg 1/1



Can Do.

**Service Center Metals**  
5850 Quality Way  
Prince George, VA 23875

### CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BILL TO ThyssenKrupp Materials NA	MANIFEST NUMBER 253046	DATE OF SHIPMENT 3/3/2015
SHIP TO ThyssenKrupp Materials NA, Toronto	CUSTOMER PO PEC-265207	SALES PERSON David Schroeder
Quantity Certified 881 lbs 11 pcs	CUSTOMER PART NUMBER MRB1771	DESCRIPTION MORB 1.250x4.500

OUR ORDER NUMBER 227116	ITEM 1
----------------------------	-----------

CERTIFICATION ASTM-B221-14 StencilCont
SPECIFICATION AMS-QQA-200/8 - 1997

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

#### Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
	201502971	2/19/15	min 47.20 max 47.20	min 44.10 max 44.10	min 14.20 max 14.20
		DA5 14 15/08/20 9-89			

#### Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	II	AL	Each	Others Total	Melt Source:
1K141020A	6061	0.75	0.38	0.33	0.10	0.88	0.10	0.05	0.03	97.39	0.05	0.15	United States of America

*Edmund Wiggner*

Print Date: 3/3/2015

# THYSSENKRUPP MATERIALS NA

PART AEROSPACE  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
7.50" DIA X 144.000"  
PART NO.

P.O. Ref 29538

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-950560-002

24Aug15  
Pg 1/4



740 Imperial Road North

## METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Certificate: 80687 7 Mail To:

Customer: 007206 001 THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 7/28/2015 Page: 1

Steel: 303

Finish: CD

Your Order: PEC268105

NAS Order: PN 0054556 04

Corrosion:

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582/12 EN 10204 3.1, ASTM A484/11  
AMS 5640U TYPE 1, QOS-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE  
2011/65/EU-ROHS. EAF+ADD+CC. NO WELD REPAIR. MELTED AND NRG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS  
14  
15/08/20  
9-89

Product Id	Std #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 2		7.500		1.104	144.00	7	1	

### CHEMICAL ANALYSIS

CM(Country of Met) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V980	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285
		S %	SI %							
		.3515	.6015							

### MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH3396 2	R L	197.0	85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

*ASB*

# THYSSENKRUPP MATERIALS NA

P.O./Rel 29558

## Certificate of Mill Test Results

DART AEROSPACE  
STAINLESS STEEL ROUND BAR 303 STAINLESS  
750" DIA X 144.0000"  
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-950560-002

24 Aug 15  
Pg 2/4



### METALLURGICAL TEST REPORT

740 Imperial Road North

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Certificate: 80687 8 Mail to:

Ship to:

Customer: 007206 001 THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 7/28/2015 Page: 1

Steel: 303

Finish: CD

Your Order: PEC268105

NAS Order: PN 0054556 04

Corrosion:

#### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582/12 EN 10204 3.1, ASTM A484/11  
AMS 5640U TYPE 1, 908-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

#### REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE  
2011/65/EU ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 5		.7500		1.104	144.00	8	1	

#### CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# U2323  
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V9E0	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285
	S %	SI %								
	.3515	.6015								

#### MECHANICAL PROPERTIES

Product Id	1 d o f c r	HB No.	.2Y6 KSI	UTS KSI	RA %	Elong % 4D
BH3396 5	R L	197.0	85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

*1888888888*

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
750" DIA X 144.0000"

PART NO.

PO/Rel 29558

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-950560-002

24Aug15  
Pg 3/4



740 Imperial Road North

## METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Certificate: 80687 9

Mail To:

Date: 7/28/2015

Page: 1

Customer: 007206 001

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Steel: 303

Finish: CD

Your Order: PEC268105

NAS Order: PN 0054556 04

Corrosion:

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582/12 EN 10204 3.1, ASTM A484/11  
AMS 5640V TYPE 1, QCS-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE  
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND PFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product ID	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH3396 6		.7500		1.104	144.00	9	1	

### CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323  
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V9E0	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285
		S %	SI %							
		.3515	.6015							

### MECHANICAL PROPERTIES

Product ID	1 4 0 1 C X	HB No.	.2YS KSI	UTS KSI	RA %	Elong % AD
BH3396 6	RL	197.0	85.05	111.10	51.00	42.60

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy  
of the test methods used, the material meets the specifications stated. These results relate only to the items  
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

*1888*

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 303 STAINLESS  
7.50" DIA X 144.0000"  
PART NO.

PO/Rel 29558

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

Signed by:

*[Signature]*

Certificate of Mill Test Results

BL PEC-950560-002

24Aug15  
Pg 4/4



740 Imperial Road North

## METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Certificate: 80687 10

Mail To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Ship To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 7/28/2015 Page: 1

Customer: 007206 001

Finish: CD

Corrosion:

Your Order: PEC268105

NAS Order: PN 0054556 04

### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A562/12 EN 10204 3.1, ASTM A484/11  
AMS 5640U TYPE 1, QCS-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

### REMARKS:

COMPLIES W/REQUIREMENTS OF DPA 252.225-7009 EU DIRECTIVE  
2011/65/EU, ROHS, EAF+AD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	-----length-----	Mark	Pieces	Commodity Code
BH3396 9		.7500		814	144.00	10	1	

### CHEMICAL ANALYSIS

CM(Country of Met)

ES(Spain)

US(United States)

ZA(South Africa)

JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323

Chemical Analysis per ASTM A751/08

HEAV	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
V920	US	.0422	.2075	17.0435	.3085	1.8195	.3065	.0458	8.2410	.0285

S % .3515  
SI % .6015

### MECHANICAL PROPERTIES

Product Id	1 d o l c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH3396 9	RL	205.0	86.66	107.80	35.18	20.62

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy  
of the test methods used, the material meets the specifications stated. These results relate only to the items  
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

*[Signature]*

ADDITIONAL REMARKS: 7/28/2015

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLAT BAR 6061-T6511  
1.250" x 1.50" x 144.0000"  
PART NO.

P.O. Ref (29558)

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

*[Signature]*

BL PEC-950560-008

24Aug15  
Pg 1/1

## Certificate of Mill Test Results



TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210  
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
<http://www.extrudex.com>

### MILL TEST

BILL TO	THYSSENKRUPP MATERIALS NA	CERT CODE:	S	0.52	DIE NUMBER	S	4676	DATE OF SHIPMENT	JUL/07/2015	EXTRUDEX ORDER NO.	181894 - 2	MANIFEST NO.	331001
SHIP TO	THYSSENKRUPP MATERIALS NA	CUSTOMER PO	PEC-267713		ALLOY	6061	TEMPER	T6511	SALESMAN	FORBES DODWELL	MADE IN CANADA		
SCHEMATIC	1.25"x1.5" FB	CUSTOMER PART NUMBER	4676-S		PART DESCRIPTION	1.25"x1.5" FB	CERTIFICATION ASTM B221-13 - AMS QQA 200/8						

### Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Jul/02/2015	43.00	39.90	13.00	89.3, 89.6, 89.9	

### Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 28836	0.58	0.237	0.217	0.057	0.84	0.055	0	0.015	0.01	0	0	0	0	0	0	0	0	0	0	0.012

DAS 14  
 9-89 15/08/20

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

*[Signature]*

David Natale  
Quality Control Manager

1 - C' - 3MER COPY



# THYSSENKRUPP MATERIALS NA

## Certificate of Mill Test Results

DART AEROSPACE  
STAINLESS STEEL ROUND BAR 304L  
1.00" DIA X 144.0000"  
PART NO.

PO/REL 29558

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-950560-004

24Aug15  
Pg 1/1



### METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

740 Imperial Road North

Certificate: 8999 3

Customer: 007206 001

Mail To: THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

Date: 11/25/2014 Page: 1  
Steel: 304/304L  
Finish: CD

Your Order: PEC261492

NAS Order: EN 0044068 04

Corrosion: ASTM A262-10 Prac A/E OK  
Red Ratio: 69.4 : 1

#### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
UNS 30406/30403 EN 10204 3-1, ASTM A484/13a  
ASTM A276/13, ASTM A479/13a, ASTM A182/13 CHEM ONLY,  
ASME SA479/13, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS QQS-763C, QQS-763F, ASTM F899/11  
SOLUTION ANNEAL, TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8  
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

#### REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 257.225-7009 EU DIRECTIVE  
2011/65/EU-ROHS. XAF+AD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREEZ FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS  
14  
9-89  
15/08/20

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BG7901 0		1.0000		854	144.00	7	1	

#### CHEMICAL ANALYSIS CM(Country of Metl) ES(Span) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MA %	MO %	M %	NI %	P %
R2H4	US	.0184	.1730	18.2750	.4370	1.2860	.3950	.0672	8.6190	.0320

S % .0260  
SI % .2150

#### MECHANICAL PROPERTIES

Product Id	1 d g r	HB No.	.2YS KSI	UTS KSI	RA %	ELONG % AD
BG7901 0	R L	217.0	73.11	105.86	66.41	43.64

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and the report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

11/23/2014

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.125" x 2.50" X 240.0000"

PART NO.

PO/Rel 29558

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-950560-006

24Aug15

Signed by: 

Pg 1/1

### CAN ART

ALUMINUM EXTRUSION INC.

## Material Test Report

Manifest: 285314

Ship To: ThyssenKrupp Materials NA  
2821 Langstaff Road  
Concord, ON L4K 5C6

Ticket:  
5388746

Our Order: 408170 - 9

Cust P.O.: 251452

Die: ES05649

Part: 05649-000-240

Alloy Temper: 6061 T6511

Description: .125 x 2.500

Print Date: 10/8/14

DAS  
14  
9-89

15/08/26

### Chemical Composition Range

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

### Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
402933	14091181A	A11	10/7/14	44.51	40.93	10.5

Applicable Specifications: ASTMB221-13 QQA200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized:

  
Evan Eng, Quality Assurance Mgr.

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304  
 DATE: 15/08/26

PO / BATCH NO.: 29558/14133038

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: R. 375  
 THICKNESS RECEIVED: R. 375  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	a bend
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>9-89</u> DATE: <u>15/08/26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 4303  
 DATE: 15/08/26

PO / BATCH NO: 29558/1133038

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 60'  
 QUANTITY INSPECTED: 60'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: R.500  
 THICKNESS RECEIVED: \_\_\_\_\_  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9-89</u> DATE: <u>15/08/26</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303  
 DATE: 15/08/26

PO / BATCH NO.: 29558/M133038

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 36  
 QUANTITY INSPECTED: 36  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: R. 750  
 THICKNESS RECEIVED: R. 750  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14</u> DATE: <u>15/08/26</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 17304  
 DATE: 15/08/26

PO / BATCH NO.: 29558/4133038

MATERIAL CERT REC'D: 45  
 QUANTITY RECEIVED: 12  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: R 1.00  
 THICKNESS RECEIVED: R 1.60  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>15/08/26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6  
 DATE: 15/08/26

PO / BATCH NO.: 29558/M133038

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .750X2.00  
 THICKNESS RECEIVED: .750X2.00  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.  
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>15/08/26</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6  
 DATE: 15/08/26

PO / BATCH NO.: 29558/1133038

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 40'  
 QUANTITY INSPECTED: 40'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: .125X2.50  
 THICKNESS RECEIVED: .125X2.50  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u> <u>9.89</u> DATE: <u>15/08/26</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606/T6  
 DATE: 15/08/26

PO / BATCH NO.: 29558/4133038

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 1.25X4.50  
 THICKNESS RECEIVED: 1.25X4.50  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY: <u>DAS</u> <u>14</u> <u>0-89</u>	SIGNED OFF BY: _____		
DATE: <u>15/08/26</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL M6061T6  
 DATE: 15/08/26

PO / BATCH NO: 29558/M133038

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: \_\_\_\_\_

THICKNESS ORDERED: 1.50 X 1.25  
 THICKNESS RECEIVED: 1.50 X 1.25  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.  
 RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 14</u> DATE: <u>15/08/26</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO29558**

Purchase Order Date 8/21/2015

PO Print Date 8/21/2015

Page Number 1 of 5

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FOOD

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.500	303 Round Bar 0.500"	8/27/2015 Yes 8/27/2015		60.00 f	\$2.92	\$175.00
PURCHASE MATERIAL: AISI 303 SS ROUND BAR SPECIFICATION: ASTM A582 (NOTE: AISI 304/316 NOT ACCEPTABLE)							
Line Total:							\$175.00
2	M303R0.750	303 Round Bar 0.750	8/27/2015 Yes 8/27/2015		36.00 f	\$3.55	\$127.80
PURCHASE MATERIAL: AISI 303 SS ROUND BAR SPECIFICATION: ASTM A582 (NOTE: AISI 304/316 NOT ACCEPTABLE)							
Line Total:							\$127.80

Note:

8/21/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO29558**

Purchase Order Date 8/21/2015

PO Print Date 8/21/2015

Page Number 2 of 5

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

3	M304R0.375	304 ROUND BAR 0.375	8/27/2015	12.00	\$2.92	\$35.00
			Yes	f		
			8/27/2015			

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$35.00

4	M304R1.000	304 round bar 1.00	8/27/2015	12.00	\$5.07	\$60.84
			Yes	f		
			8/27/2015			

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$60.84

5	M6061T6B0.750X02.000	6061-T6 Bar .750 x 2.00	8/27/2015	12.00	\$4.58	\$55.00
			Yes	f		
			8/27/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM-B211 OR  
ASTM B221

Note:

8/21/2015





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO29558**

Purchase Order Date 8/21/2015

PO Print Date 8/21/2015

Page Number 3 of 5

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Line Total: \$55.00

6	M6061T6B0.125X2.500	6061T6 BAR .125 X 2.50	8/27/2015	40.00	\$0.94	\$37.50
			Yes	f		
			8/27/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

Line Total: \$37.50

7	M6061T6B1.250X04.500	6061-T6 Bar 1.25 X 4.50	8/27/2015	12.00	\$16.46	\$197.50
			Yes	f		
			8/27/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

15/08/2015  
SP

Line Total: \$197.50

Note:

8/21/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO29558**

Purchase Order Date 8/21/2015

PO Print Date 8/21/2015

Page Number 4 of 5

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

8	M6061T6B1.500X01.250	6061-T6 Bar 1.50 x 1.25	8/27/2015	12.00	\$5.42	\$65.00
			Yes			
			8/27/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

*Handwritten:* 1500/20 sel

Line Total: \$65.00

9	M7075T73R1.000	7075-T73 Rd Bar 1.00	8/27/2015	24.00	\$8.90	\$213.60
			Yes			
			8/27/2015			

MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511 ROUND BAR  
AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9

*Handwritten:* 24.00 f

Line Total: \$213.60

Note:

8/21/2015



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO29558**

Purchase Order Date 8/21/2015

PO Print Date 8/21/2015

Page Number 5 of 5

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

10	71401-45	PROCUREMENT QUALITY CLAUSES	8/27/2015	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses

8/27/2015

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality document

Line Total: \$0.00

PO Total: \$967.24

CL A

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 8/21/2015